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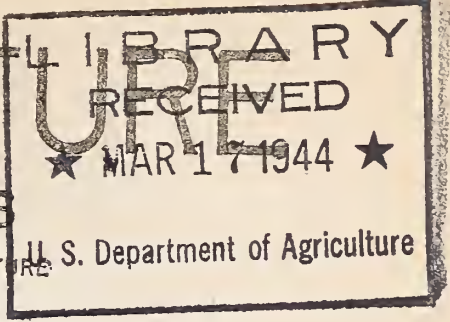
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# COTTON LITERATURE

## SELECTED REFERENCES



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AND PLANT QUARANTINE

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COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

PRODUCTIONGeneral

274. Barbados. Department of science and agriculture.  
Report on the work...for the year ending March  
31st, 1936. Barbados; Dept. Sci. & Agr., Agr.  
Jour. 5(2):41-84. April 1936. (Published at  
Barbados, British West Indies) 8 B23  
Partial contents: Cotton, p.47; Cotton exper-  
iments, pp.55-56; Pink bollworm of cotton--  
*Pectinophora gossypiella*, pp.74-75; Inspections  
under the cotton diseases prevention act, p.80.
275. Stockbridge, Frank Parker, and Perry, John Holliday.  
So this is Florida. 300pp. Jacksonville,  
John H. Perry Publishing Co., 1938. 125 St62S  
The revival of Sea Island cotton, pp.270-272;  
The thirsty boll weevil, pp.273-274.
276. U.S. Department of agriculture. Bureau of plant  
industry. Report of the chief...1937. 34pp.  
Washington, 1937.  
Cotton and other fiber crops and diseases,  
pp.5-7; Fertilizer studies with cotton, p.19.

Botany

277. Neelakantam, K., and Seshadri, T.R. Constitution  
of cotton flower pigments. Textile Inst. Jour.  
28(12):A729. December 1937. (Published at 16  
St. Mary's Parsonage, Manchester, 3, England)  
73.9 T31  
From Indian Acad. Sci., Proc. 5A:357-364.  
1937.  
"Herbacitrin, a pigment from *G. herbaceum*  
flowers, is the 7-glucoside of 3:5:7:8:4'-  
pentahydroxyflavone. On hydrolysis it yields  
herbacetin. Derivatives and reactions are de-  
scribed.-C."
278. Phillis, E., and Mason, T.G. Concentration of  
solutes in vacuolar and cytoplasmic saps.  
Nature 140(3539):370-372. Aug. 28, 1937. (Pub-  
lished by MacMillan & Co., Ltd., St. Martin's  
St., London, W.C.2, England) 472 N21  
References, p.372.  
"Experiments on the extraction of sap from  
cotton leaves give evidence for two kinds of

sap, true vacuolar sap extracted by direct pressure and cytoplasmic sap, derived by the destruction of the cytoplasm by the use of shearing force. The concentration of the cytoplasmic sap is more than double that of the vacuolar sap. The authors consider the continuous phase of active cytoplasm to be "vitaid", the molecule of which is not decomposed by direct pressure but only by shearing forces as applied in a vice, by freezing or hand rubbing, the products formed being proteins, lipoids and water. This explains the fact that more sap, and of a different composition, can be obtained after freezing, by using anaesthetics, or by pressing in a vice than by hydraulic pressure.-C."-Textile Inst. Jour. 28(11):A661-A662. November 1937.

See also Items nos. 280, 575.

#### Genetics and Plant Breeding

279. Lambert, A.R. New Sakel strains in the Anglo-Egyptian Sudan. Empire Cotton Growing Rev. 15(1):14-20. January 1938. (Published by P.S. King & Son, Ltd., 14, Great Smith St., London, S.W.1, England) 72.8 Em7

The breeding of two strains of Egyptian Sakellaridis cotton is described.

280. Nikitin, I.L., ed. Breeding work, genetics and physiology of cotton. Materials of the conference of the All-Union Lenin academy of agricultural sciences (2-6 Jan.1935) 109pp. Moscow, Lenin Academy of Agricultural Sciences, 1936. 72 N58

In Russian. English summary, pp.103-104.

See also Item no.573.

#### Agronomy

281. Abonamiento del algodonoero. Puede el abono producir resultados adversos? Vida Agricola 14(168):935-937. November 1937. (Published at Nunes 26 A, Casilla 1159, Lima, Peru) 9.8 V66

Fertilizing the cotton plant. Can fertilizer produce adverse results?

282. Abonamiento y densidad de siembra en el cultivo del algodón. Consideraciones económicas del abonamiento. Vida Agrícola 14(168):939-942. November 1937. (Published at Nunes 26 A, Casilla 1159, Lima, Peru) 9.8 V66  
Fertilizing and density of seed in the cultivation of the cotton plant. Economic considerations of fertilizing.
283. Akimtzev, V.V. The soils of Lowland Azerbaidjan. (Preliminary data for the third five-year plan.) Pedology 32(8):1160-1179. 1937. (Published at Moscow, U.S.S.R.) 57.8 P34  
In Russian. English summary, p.1179.  
The soils of the lowland cotton-growing part of Azerbaidjan are described.
284. Balls, W. Lawrence, and Hancock, H.A. A multiple picking experiment. The improvement of grade. Egypt Min. Agr. Tech. & Sci. Serv., Bull.187, 11pp. Cairo. 1937. 24 Eg93
285. Colha bem o seu algodao. Colheita bem feita significa producto valorizado e mercado certo. Parahyba, Boletim da Directoria de Fomento da Produccao Vegetal e de Pesquisas Agronomicas 3(7,8,9):27-28. July, August, September 1937. (Published by Secretaria de Agricultura, Comercio, Viaçao e Obras Publicas, Parahyba, Brazil) 9.2 P2121  
Picking one's cotton right. Good harvesting means worthy product and certain market.
286. Crowther, Frank. Manurial requirements of cotton varieties. Empire Cotton Growing Rev. 15(1): 21-29. January 1938. (Published by P.S. King & Son, Ltd., 14, Great Smith St., London, S.W.1, England) 72.8 Em7
287. Flood, Francis A. King cotton on wheels. Farmer-Stockman Jan.1,1938, pp.3,22. (Published at Oklahoma City, Okla.) 6 Ok45  
Cultivation and harvesting of cotton by machinery in Lubbock Co., Texas, is described.
288. Fraps, G.S., Fudge, J.F., and Reynolds, E.B. Effect of fertilization on the composition of a Lufkin fine sandy loam and of oats grown on it. Amer. Soc. Agron., Jour. 29(12):990-996. December 1937. (Published at Geneva, N.Y.) 4 Am34P  
"An experiment to study the effect of fertil-

ization on the yield of cotton, corn and oats grown in rotation on a Lufkin fine sandy loam at College Station, Texas" is described.

Literature cited, p.996.

289. Giza 7. Economist (Egypt Sup.) 129(4919):12-13.  
Dec.4,1937. (Published at 8 Bouverie St.,  
London E.C.4, England)  
The history of the development of the Giza 7  
variety in Egypt is given.
290. Meerson, G.M. Methods of cultivating cotton prac-  
ticed by stakhanovites of the Eastern Fergana.  
Chemisation of Socialistic Agr. no.7, pp.69-75.  
July 1937. (Published at Moskva, U.S.S.R.)  
385 C424  
In Russian.
291. Nations, W.I. Boys show the way. Amer. Cotton  
Grower 3(8):12. January 1938. (Published at  
535 Gravier St., New Orleans, La.) 72.8 Am32  
Quality and yield of cotton produced by 4-H  
Club boys in Greer County, Okla. is noted.
292. Singh, B.N., and Choudhri, R.S. The effect of  
visible, ultra-violet and infra-red radiations  
upon the germination and the therapeutic treat-  
ment of cotton seed. Empire Cotton Growing  
Rev. 15(1):35-42. January 1938. (Published  
by P.S. King & Son, Ltd., 14, Great Smith St.,  
London, S.W.1, England) 72.8 Em7  
References, p.42.
293. Srinagabhushana. A note on Wagad 8 cotton--early  
and late sown. Current Sci. 6(6):282-283.  
December 1937. (Published by Indian Institute  
of Science, Hebbal P.O., Bangalore, India.)  
475 Sci23
294. Tamhane, V.A., Shama Iyengar, M.A., and Chandnani,  
J.J. Water requirement of crops. Current  
Sci. 6(6):272-273. December 1937. (Published  
by Indian Institute of Science, Hebbal P.O.,  
Bangalore, India) 475 Sci23  
Cotton is one of the crops studied.
295. Tanganyika Territory. Department of agriculture.  
Reports from the experimental farms, 1936.  
Tanganyika Territory, Dept. Agr. Pamph.17,  
40pp. Dar Es Salaam. 1937. 24 T15P  
Cotton trials, pp.8-10; Cotton selection work,  
p.10; Cotton--variety testing, pp.24-25; Cotton--  
cultivation, pp.32-34.

296. Terrenos para o plantio do algodao. Parahyba, Boletim da Directoria de Fomento da Produccao Vegetal e de Pesquisas Agronomicas 3(7,8,9):31. July, August, September 1937. (Published by Secretaria de Agricultura, Commercio, Viaçao e Obras Publicas, Parahyba, Brazil) 9.2 P2121  
Soils for planting cotton.
297. Wood, R. Cecil. Potash starvation and the cotton plant--II. Empire Cotton Growing Rev. 15(1): 30-34. January 1938. (Published by P.S. King & Son, Ltd., 14, Great Smith St., London, S.W.1, England) 72.8 Em7

See also Items nos. 274, 275, 276, 316, 352, 398, 399, 401, 402, 403, 404, 405, 406, 409, 410, 415, 416, 417, 419, 420, 421, 480, 482, 570, 572, 573, 575, 576, 578, 582, 585.

#### Diseases

298. Ezekiel, Walter N. Cotton root rot. Acco Press 16(1):14-15. January 1938. (Published by Anderson, Clayton & Co., Houston, Tex.) 6 Ac2
299. Grillo, Heitor da Silveira. Relatorio sobre a murcha do algodoeiro, causada pelo "Fusarium vasinfectum" Atk. no Estado da Parahyba. Rodriguesia 2(7):319-327. 1936. (Published at Rio de Janeiro, Brazil) 442.8 R61  
Bibliography, p.327.  
Report on cotton wilt caused by "Fusarium vasinfectum" Atk. in the state of Parahyba.  
"The author states that cotton wilt (Fusarium vasinfectum) is definitely established in the state of Parahyba. The areas are few and limited, and recommendations are made with a view to preventing further spread such as the total destruction of all infected cotton plants and other hosts, quarantine restrictions of exports from the state, and the planting of resistant strains of cotton."-Empire Cotton Growing Rev. 15(1):78. January 1938.
300. Hansford, C.G., and Hosking, H.R. Recent research in Uganda on blackarm disease. Empire Cotton Growing Rev. 15(1):7-13. January 1938. (Published by P.S. King & Son, Ltd., 14, Great Smith St., London, S.W.1, England) 72.8 Em7

See also Items nos. 274, 276, 308, 570, 573.

Insects

301. Bollworm trouble again. Light infestations in Santa Cruz and Pima, none yet in Maricopa or Pinal. Ariz. Producer 16(18):6. Dec.1,1937. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44  
Efforts to prevent pink bollworm infestation in Arizona are noted.

302. Few bollworms--but enough. Two light infestations found in Pinal, no "pinkies" yet in Maricopa. Ariz. Producer 16(19):3. Dec.15,1937. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44

The pink bollworm situation in Arizona is described.

303. Isely, Dwight. The cotton leaf worm. Ark. Univ. Coll. Agr. Ext. Serv., Ext. Circ. 170, rev. 6pp. Little Rock. 1937. 275.29 AR4

304. Marshall, J., Parsons, F.S. and Hutchinson, H. Studies on the red boll-worm of cotton, *Diparopsis castanea*, Hampson--Part I. The distribution and ecology of two natural food-plants, *Cienfuegosia hildebrandtii*, Gurke, and *Gossypium herbaceum* var. *africana*, Watt. Bull. Ent. Res. 28:621-632. December 1937. (Published at 41 Queen's Gate, London, S.W.1, England) 421 B87  
References, p.629-630.

305. [Munro, J.W.] Cotton pest control in Southern Africa. Farmers Weekly 54:1035. Dec.22,1937. (Published at 42 East Burger St., Bloemfontein, Africa) 24 F225

From a report made for Empire Cotton Growing Corporation.

306. Ramakrishna Ayyar, T.V., and Mani, M.S. On three chalcidoid parasites of cotton borer-beetles from South India. Indian Museum, Rec. 39(2): 125-127. July 1937. (Published by the Director, Zoological Survey of India, Calcutta, India.) 410.9 In2R

Footnote references.

"While studying the bionomics of the Cotton Borer-beetles, *Sphenoptera gossypii* Kerr. and *Pemphres affinis* Fabr., in South India, the senior writer bred, among others, three interesting Chalcidoid parasites of these beetles. One of these, *Euderus gossypii* Ferr., is the

well known parasite of Sphenoptera gossypii Kerr. in Sudan and Punjab; and the other two are new to science...In this paper the new species are described together with additional notes on all the species."

307. Shafer, Karl. A basis for social planning in Coffee County, Alabama. U.S. Dept. Agr. Farm Security Admin. & Bur. Agr. Econ. Social Research Report no.6, 48pp., mimeogr. Washington. 1937..

Erection of a statue to the boll weevil in Enterprise, Ala. is noted and its history given.

308. Trinchieri, Giulio. Il cotone: nemici e malattie. Giornale di Agricoltura della Domenica, 47(39): 327. Sept.26,1937. (Published at Via Vittorio Veneto, Rome, Italy) Folio 3 16 Itlg

Cotton: pests and diseases.

A survey of cotton pests and diseases observed up to date in Africa, stressing the necessity of phytosanitary research work also in Ethiopia.

309. U.S. Department of agriculture. Bureau of entomology and plant quarantine. Report of the chief... 1937. 98pp. Washington, 1937.

Partial contents: Cotton insect investigations, pp.55-60; Pink bollworm control, pp.60-63; and Thurberia weevil control, pp.63-64.

See also Items nos. 274, 275, 399, 401, 570, 572, 575, 576, 582.

### Farm Engineering

310. Cotton picker. Another new machine. Cotton Digest 10(17):9. Jan.29,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
"The development of a mechanical cotton picker ...was announced by A.H. Hannauer, president of the Cotton Harvester Corporation of America."

311. Man with hoe threatened by new "chopper". "Hoe with a seat on it", wheeled and horse drawn, to do work of many. Cotton Trade Jour. 18(2):1,5. Jan.8,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

The "Dixie Cotton Chopper" is described.

312. Marshall, P.L. Facts about the mechanical cotton picker. Can a mechanical cotton picker be used in Georgia, or will it be confined to the Mississippi Delta? Ga. Agr. 15(4):5,24. January 1938. (Published by the College of Agriculture, University of Georgia, Athens, Ga.) 276.8 G29.
313. Mechanical cotton picking in two years! Arizona trials leave no doubt I.H.C. machine to be complete success soon. Ariz. Producer 16(17):7. Nov.15,1937. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44  
The International Harvester Company's machine is described.

See also Items nos. 287, 426, 582.

#### Farm Management

314. Newman, William A., and Macy, Loring K. Selected references on practices and use of labor on farms...Part I. U.S. Works Prog. Admin. Natl. Research on Reemployment Opportunities and Recent Changes in Indus. Tech. Studies of Changing Tech. and Employment in Agr. Report no. A-3, 284pp., processed. Philadelphia. 1937.  
173.2 W89St  
Cotton, pp.37-46.
315. U.S. Department of commerce. Bureau of the census. United States census of agriculture, 1935. Part-time farming in the United States, prepared under the supervision of Z.P. Pettet. Special study. 205pp. Washington, 1937.  
Contents: Chapter I. Introduction, pp.5-6; Chapter II. Number and distribution of part-time farmers, pp.7-11; Chapter III. Nonagricultural pursuits of the rural-farm male population--Textiles, pp.90-91; Chapter IV. Organization of part-time farms contrasted with other farms in selected areas--Rowan County, N.C., pp.176-183, Greenville County, S.C., pp.184-191.
316. Williams, C.B. Relation of fertilization and selling price to profitableness in cotton production. N.C. Agr. Expt. Sta. Bull. 313, 16pp. Raleigh. 1937.

See also Item no. 317.

### Cotton Land Resources

317. Johnson, Gerald W. The wasted land. 110pp.  
Chapel Hill, University of North Carolina Press,  
1937. 280.002 J63

"This book is essentially a commentary on Southern Regions of the United States, written by Howard W. Odum for the Southern Regional Committee of the Social Science Research Council." The author states "the end of cotton as the main economic reliance of the Southeast cannot be deferred for many years. The cost of production of cotton is steadily being reduced in other regions, whereas, when it changes at all, it tends to rise in the Southeast. The market is being steadily narrowed both by the introduction of substitutes for cotton fabrics and by the preemption of foreign markets by foreign producers. Years, not decades, measure the time before the Southwest will be in position to raise enough cotton to supply such markets as are left. It is assuming no great risk to prophesy that the end of another ten years will see cotton farming in the Southeast so precarious and unprofitable that only victims of dire necessity will undertake it. Indeed, over large areas that is the situation now."

### Farm Social Problems

318. Another blast at the South. Prog. Farmer (Tex. ed.) 53(2):3,52. February 1938. (Published at 1104 Insurance Bldg., Dallas, Tex.) 6 T311

Editorial on "You have seen their faces" by Erskine Caldwell and Margaret Bourke-White stating that it is exaggerated and inaccurate.

319. Caldwell, Erskine, and Bourke-White, Margaret. You have seen their faces. 190pp. New York, The Viking press, 1937. 282 C12Y

"A graphic and dramatic pen-and-camera portrait of the sharecropping agricultural South. The authors have travelled through the South for many months, taking copious notes and exposing yards of film, to record a hidden side of American Life."-Library Jour. Sept. 15, 1937, p.705.

320. White, Owen P. Devil in de cotton. Collier's 101(1):9-11,42. Jan.1,1938. (Published by Crowell Publishing Co., 250 Park Ave., New York, N.Y.) 110 Co  
Efforts of the Farm security administration to relieve the plight of the sharecroppers in Georgia and Alabama are described.

Cooperation in Production (One-Variety Communities)

321. Lichte, F.E. Floyd county ginner realized profit by growing one variety cotton. Cotton and Cotton Oil Press 39(3):3. Jan.15,1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
322. Single variety cotton program in Floyd County [Texas]. Cotton Ginner's Jour. 9(4):13-14,20, 22. January 1938. (Published by Texas Cotton Ginner's Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824

See also Item no. 573.

PREPARATION

Ginning

323. Barnwell, Mildred G. The missing link? Centrifugal gin may fill gap between mechanical picker and spinning mill. Textile World 88(1):60. January 1938. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.) 304.8 T315
324. Bennett, Charles A., and Stedronsky, Victor L. Engine heat for cotton driers. Cotton Ginner's Jour. 9(4):5-6,18-19. January 1938. (Published by Texas Cotton Ginner's Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824
325. Dzhanumian, S.A. Economics of the cotton ginning industry. 150pp. Moskva [etc.] Gosudarstvennoe izdatel'stvo legkoi promyshlennosti, 1937. 281.372 D99  
In Russian.
326. Gin cotton dry. Prog. Farmer (Miss. Valley ed.) 52(10):21. October 1937. (Published at Cotton Exchange Bldg., Memphis, Tenn.) 6 So81  
Advantages of drying cotton before ginning are noted.

327. Hager, Hoyt E., Jr. Co-operative gins in valley. Farm and Ranch 57(2):11. Jan.15,1938. (Published at 3306 Main St., Dallas, Tex.) 6 T31  
The organization and results of "three co-operative cotton gins in Hidalgo county, Texas," are described.
328. Montéra, Luiz. Emprego do piso de madeira, clara-boia, etc. nos armazens dos estabelecimentos de beneficiamento e reenfardamento de algodao. Sociedade Brasileira de Agronomia, Revista 1(1):40-43. September 1937. (Published at Rio de Janeiro, Brazil) 9.2 Sol3  
Use of wood floor, skylight, etc. in the warehouses of cotton ginning and compressing establishments.
329. Technical progress. Textile Mercury and Argus 97(2542):604. Dec.10,1937. (Published at 41, Spring Gardens, Manchester, England) 304.8 T318  
"According to Dr. C.T. Dowell, director of the Louisiana Experiment Station, if this year's cotton ginning season has shown nothing else, it has demonstrated the value of cotton dryers in gins to dry out wet cotton and thereby greatly increase the returns to the growers."
330. Watson, Arkansas inventor contributes new type gin. Expects to distribute many during year--Will introduce into industry with as little disturbance as possible. Mid-So. Cotton News 15(7):1,2. January 1938. (Published at 822 Falls Bldg., Memphis, Tenn.) 72.8 C8295  
Illustrations show 2 views of the centrifugal gin recently invented.

### Baling

331. Complaints of foreign buyers against the packing and baling of American cotton. Cotton and Cotton Oil Press 39(4):3-4. Jan.22,1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822  
Studies made in Europe by Fred Taylor of the U.S. Bureau of Agricultural Economics are commented upon.
332. False packed bales again. Cotton Digest 10(13):6. Jan.1,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
Editorial stating that "the time has come when some plan should be advanced whereby every

bale of cotton will retain its identity from the moment it is ginned, until it is finally opened at the mill."

333. Japanese seek import permit for raw cotton. Merchants, manufacturers would welcome uniform, neat packaging. Cotton Trade Jour. 18(1):7. Jan.1,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Desired improvements in packaging are described.

334. [Roberts, J.B.] Cotton bagging superior to jute as far as dampness, says Roberts, Increased consumption aside, cotton has definite advantages, view. Cotton Trade Jour. 18(2):3. Jan.8,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

See also Items nos. 538, 569, 582.

#### MARKETING

##### General

335. Botts, John C. Government deep in cotton business. Com. and Finance 27(2):40. Jan.22,1938. (Published by S.G. Mackay, 95 Broad St., New York, N.Y.) 286.8 C737  
Review of 1937.

336. Cooper, Maurice R. The general cotton situation. 14pp., mimeogr. Washington, United States Department of Agriculture, Bureau of Agricultural Economics, 1937.

Address, Annual Agricultural Conference of Southwestern States, Texarkana, Arkansas, and Texas, December 10,1937.

337. Cotton exporters confident of gain in business shortly. Large Texas concerns see price advance, better sales likely. Jour. Com. 175(13528):4C. Jan.17,1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82  
Outlook for Texas cotton in 1938.

338. Fauntleroy, Thomas. Mid-south traders confused by more uncertain outlook. Caffey Robertson assails U.S. program--Garrard is for allotments. Jour. Com. 175(13528):1C,4C. Jan.17,1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82

339. [Garrard, W.M.] Mr. Garrard's survey. Staple Cotton Rev. 16(1):3-6. January 1938. (Published by the Staple Cotton Cooperative Association, Greenwood, Miss.) 72.8 St22  
The present situation in American cotton is commented upon. It is noted that "the low grades this year are exceedingly high in spinning value," and that "Delta cotton has sold F.O.B. at a price equivalent to the price at which Egyptian cotton has sold in Egypt." The export situation is also noted.
340. Garside, Alston H. Government cotton control plans failures but teach lesson, view. Garside reviews eight lean years, says programs had fair chance. Cotton Trade Jour. 18(2):6. Jan. 8, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
Annual review of 1937 season.
341. Leche, Richard W. King cotton faces fight to maintain its realm intact. Leche declares trade must work out problems or endure collapse. Jour. Com. 175(13528):17A, 23A. Jan. 17, 1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82
342. Markovich, M.M. [Cotton marketing.] 59pp. Moskva [etc.] Gostorgizdat, 1936. 280.372 M34  
In Russian.
343. Munds, Winslow & Potter. The cotton outlook. Textile Bull. 53(19):8. Jan. 6, 1937. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.) 304.8 So82  
The outlook for 1938.
344. New Orleans hopes Leche plan may aid cotton industry. Backed by Exchange there--Trade concerned over business outlook. Jour. Com. 175(13528):1C, 2C. Jan. 17, 1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82  
Review of 1937 cotton trade and outlook for 1938.
345. The outlook for cotton. Statist 131(3124):39-40. Jan. 8, 1937. (Published at 51 Cannon St., London, E.C.4, England) 286.8 St2  
Concerned mainly with the outlook for the American raw cotton industry. "These are the conditions with which the American cotton indus-

try is faced at the present moment: strong competition and tendencies towards substitution abroad which offer effective resistance to an expansion in foreign sales and an apparent saturation of the domestic market."

346. Rivers, E.D. Cotton textile industry in Georgia. Dominant factor in state, particularly since 1880--Progress in cotton growing and manufacturing--Economic factors and cultural improvements--Transition in two decades. Amer. Wool & Cotton Reprtr. 51(52):27-30. Dec.30,1937. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
347. Severance, J.L. Cotton market seems headed for drastic control in 1938. Government has re-entered market and will probably loan on more staple than ever before--sharp acreage cuts, limitation of crops by quota likely. Jour. Com. 175(13528):1C,4C. Jan.17,1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82
348. Todd, John A. Cotton statistics. Empire Cotton Growing Rev. 15(1):43-49. January 1938. (Published by P.S. King & Son, Ltd., 14, Great Smith St., London, S.W.1, England) 72.8 Em7  
Statistics of production, consumption and prices are given. Consumption figures issued by the International Federation of Master Cotton Spinners and Manufacturers Associations and by Garside are compared.

See also Items nos. 563, 579, 582.

#### Demand and Competition

349. Bell, W. Ray. Cotton mills speed re-establishment of healthy markets. Application of correctives to supply situation brings volume orders to Worth St. Jour. Com. 175(13528):3A. Jan.17,1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82
350. Bennett, E. Howard. "All work and no pay"--? Amer. Wool & Cotton Reprtr. 51(52):1,37-50. Dec.30,1937. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88

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351. British textiles for Malayan market. Good prospects for regaining lost trade. Manchester Guardian Com. 35(914):531. Dec.24,1937. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 286.8 M315
352. Browning, Gordon. Tennessee great industrial state. Cotton is this state's second ranking agricultural crop--High yield per acre--Products of industrial establishments valued at \$531,338,490--Tennessee's textile mills. Amer. Wool & Cotton Reprtr. 51(52):71. Dec.30, 1937. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
353. O commercio e a industria do algodao no Japao. Ouro Branco 3(7):12-16. November 1937. (Published at R. Quintino Bocayuva, 54, Sao Paulo, Brazil)  
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354. The cotton industry in China in 1936. Increase of foreign-owned spindlage. Indus. and Labour Inform. 64(7):240-242. Nov.15,1937. (Published by the International Labour Office, Geneva, Switzerland) 283.8 In82M  
Tables from the annual report of the Chinese Cotton Millowners' Association, which appeared in April 1937, show Number and percentage of spindlage owned by different nationalities, 1932-1936, Expansion of Japanese mills in North China, and Indices indicating the increase of efficiency of workers in Chinese mills, 1933-1936.
355. Cox, A.B. Cox compares cotton, other fibres. Cotton Digest 10(17):9. Jan.29,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
356. Cromwell, Jarvis. Low prices, liquid credits, curtailment pave way for upturn. Jour. Com. 175(13528):5C. Jan.17,1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82  
Review of American cotton-textile industry in 1937.

357. East India mill takings up, own and U.S. cotton. Imports from California and other American growths rising sharply. Cotton Trade Jour. 18(3):1. Jan. 15, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
Consumption of American and other growths of cotton in India is noted.
358. Edmonds, James E. Economic rebellion against U.S. cotton policies winning. Japan wants to do business with U.S. in cotton, but on mutual terms. Sentiment aside, as matter of business, Nipponese offer called attractive. Cotton Trade Jour. 18(5):1,7. Jan. 29, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
359. Edmonds, James E. Japan concentrates on Asiatic market of billion "customers." Would add a few inches to shirt-tails of harried neighbors on mainland. Cotton Trade Jour. 18(1):1,7. Jan. 1, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
"This is the third of a series of six articles on the Japanese position in the world cotton industry."
360. Edmonds, James E. Japanese North China cotton production move up to U.S. Nippon opinion varies as to practicability of million-bale production. But they'll try. They'll buy American, if U.S. cotton and diplomatic policies are favorable. Cotton Trade Jour. 18(3):1,7. Jan. 15, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
Fifth of a series.
361. Edmonds, James E. Japan's American-type needs may be met by other growths. Merchants said to prefer American cotton, but to be wary of scarcity...Is U.S. going to abandon production of cotton for export, they ask. Cotton Trade Jour. 18(2):1,7. Jan. 8, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
Fourth of a series of articles.
362. Elliott, J.L. A southern cotton mill village. Amer. Wool & Cotton Repr. 51(50):19,31. Dec. 16, 1937. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88  
Letter from a merchant in a mill village.

363. Exports of cotton piece-goods in 1936. Comparisons with 1913 and 1934-35. *Gt. Brit. Bd. Trade Jour.* 139(2124):250,253. Aug.19,1937. (Published by H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2, England) 256.03 T67J  
 "Cotton piece-goods export figures are given for 1913 and 1936 and details of the exports of the different types to the various geographical areas in 1913,1934,1935, and 1936 are tabulated and discussed...C."-*Textile Inst. Jour.* 28(11): A671. November 1937.
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 Recent regulations of the Japanese government to encourage the use of staple fiber are noted.
365. Fisher, Russell T. Sees cotton goods prospects dependent on Federal Congress. Fisher asserts improvement hinges largely on upturn in general business conditions. Manufacturers urged to adjust production to sales and not to step up machinery activity with every flurry in sales--Millmen await clarification of political fog that obscures outlook. *Jour. Com.* 175(13528):5A. Jan.17,1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82
366. Garó, José. El mercado Japonés para productos Argentinos. 2v. [Kobe, 1934.] 286 G192  
 The Japanese market for Argentine products. Informe no.10--La industria algodonera en el Imperio del Japon (The cotton industry in the Empire of Japan), v.1, pp.95-100.
367. Garrard, W.M. Mr. Garrard's survey. *Staple Cotton Rev.* 15(12):6-9. December 1937. (Published by the Staple Cotton Cooperative Association, Greenwood, Miss.) 72.8 St22  
 Probable effects of stocks of low grade cotton and competition of other fibers on cotton consumption are noted.
368. Gorman, Francis J. Mr. Gorman protests. *New Republic* 93(1201):134. Dec.8,1937. (Published at 40 East 49th St., New York, N.Y.) 280.8 N  
 Reply to article by Mary Heaton Vorse entitled "Bringing union to textiles."

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Address at meeting of Carded Yarn Group, Charlotte, N.C., December 17,1937.

The cotton textile situation is discussed.

370. Hermann. Rayon staple fiber competes with cotton in Europe. Rayon Textile Monthly 18(9):578. September 1937. (Published at 303 Fifth Ave., New York, N.Y.)

Extract from an article by Professor Hermann in a recent issue of the Manchester Guardian Commercial.

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Includes a description of the better type of cotton mill village.

372. Hoey, Clyde R. Cotton textiles in North Carolina. History divided into three periods--Remarkable growth of industry since 1910--Now leads all cotton manufacturing states--Expansion in other textile industries. Amer. Wool & Cotton Reprtr. 51(52):55,57. Dec.30,1937. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88

373. Johnston, Olin D. Cotton textiles in South Carolina. More active spindles than any other state--Natural advantages supplemented with general understanding of conditions of employer and employee--Continuing to expand. Amer. Wool and Cotton Reprtr. 51(52):65,67. Dec.30, 1937. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88

374. Kennedy, S.J. Merchandising requirements of printed textiles. Textile Bull. 53(18):4-6,8. Dec.30,1937. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.) 304.8 So82

"Contributed by the Textile Division for presentation at the Annual Meeting, New York, Dec.6-10, of the American Society of Mechanical Engineers."

375. King, W. Cost reduction in cotton manufacturing. *Fibre and Fabric* 90(2760):10-12. Dec.25,1937. (Published by Wade Publishing Co., 465 Main St., Kendall Square, Cambridge, Mass.) 304.8 F44  
From Textile Recorder.
376. [Loper, Ralph E.] Cotton mill economies and profits. *Amer. Wool & Cotton Repr.* 51(52): 52. Dec.30,1937. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88  
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Outlook for the cotton-textile industry of the South.
378. Magri, Francesco. L'industria cotoniera in Bulgaria nel quadro della riorganizzazione industriale della nazione. *Bollettino della Cotoniera* 32(9):591-599. September 1937. (Published at Via Borgonuovo, 11, Milano, Italy) 304.8 B63  
The cotton-textile industry in Bulgaria in relation to the industrial reorganization of the nation.
379. Mizelle, Hazel. Southern millmen mildly optimistic over 1938 outlook. *Jour. Com.* 175(13528): 17A,22A. Jan.17,1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82
380. Moritz, A.J.L. Mechanical "stretch-out" necessary to progress--only human stretch-out is harmful. *Textile World* 88(1):95. January 1938. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.) 304.8 T315
381. Murchison, C.T. The cotton-textile industry in 1937. *Mfrs. Rec.* 107(1):28-29. January 1938. (Published at Commerce and Water Sts., Baltimore, Md.) 297.8 M31  
In this article Dr. Murchison points out that "Abnormally low demand for cotton goods in the last six months of 1937 obscures the fact that the cotton manufacturing industry had a remark-

ably active year. The mills manufactured more goods, employed more people and paid higher wages than in any of the last ten years."

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304.8 C823

A message at Christmas to the members of the Cotton-Textile Institute, Inc.

383. Nabors, James W. I live in a southern mill village. Textile World 88(1):96. January 1938. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.) 304.8 T315

"One of many unsolicited letters we have received from mill workers since Colliers published its now famous (or infamous) article by Davenport on southern mill life."

384. 1937 annual rayon and textile statistics, including annual rayon production and consumption data, annual rayon distribution by trades and production by denier, rayon imports and exports data, monthly indices of textile fiber consumption, monthly consumption of cotton, wool and silk, monthly prices of cotton, wool, silk and rayon. Rayon Organon 9(2-special sup.):15a-28. Jan. 21, 1938. (Published by Textile Economics Bureau, Inc., 21 East 40th St., New York, N.Y.)  
304.8 T3128

385. Nippon textile heads struggle for raw cotton. Face fiats limiting raw imports, using of staple fibre and compulsory export. Cotton Trade Jour. 18(2):6. Jan. 8, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

386. Off with the silk. Cotton Trade Jour. 18(2):6. Jan. 8, 1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Editorial from the Gastonia (N.C.) Daily Gazette noting the increased production of fine cotton yarn to meet the demand for lisle hose resulting from the boycott of silk.

387. [Political and economic planning.] The cotton situation. Planning no. 112, pp. 2-14. Dec. 14,

1937. (Published by Political and Economic Planning, 16, Queen Anne's Gate, London, S.W.1, England) 280.8 P693

Developments in the cotton textile industry of Great Britain from 1934 to 1937 are traced.

388. Rao, V.K.R.V. Problems before the textile labour inquiry committee. Indian Textile Jour. 48(566):48-49. Nov.15,1937. (Published at Military Square, Fort, Bombay, India) 304.8 In2

Problems before this committee, appointed by the Government of Bombay, are stated.

389. Reforms in the Soviet Union. Reorganization of the coal and cotton industries. Indus. and Labour Inform. 64(3):65-68. Oct.18,1937. (Published by the International Labour Office, Geneva, Switzerland) 283.8 In82M

390. Relazione alla corporazione tessile presentata dalla federazione nazionale fascista degli industriali cotonieri. Bollettino della Cotoniera 32(9):553-568. September 1937. (Published at Via Borgonuovo, 11, Milano, Italy) 304.8 B63

Relation which the textile corporation presents to the Federazione Nazionale Fascista degli Industriali Cotonieri.

391. Revere, C.T. Cotton mills miss opportunity to avoid large inventory loss. Jour. Com. 175 (13528):10,20. Jan.17,1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82  
Review of American cotton-textile industry for 1937.

392. Roberts, T. Scott. Alabama's industrial possibilities. Textiles greatest development-- Cotton gives largest cash income. Amer. Wool & Cotton Reprtr. 51(52):21,34. Dec.30,1937. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88

393. Swiss position sound, but far from prosperity. Textiles teeter toward further curtailment, await minor stimulus. Cotton Trade Jour. 18(5):6. Jan.29,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

394. The textile industry's struggle. A moderate recovery. Manchester Guardian Com. (Belgium and the Belgian Congo Sup.) Dec.17,1937, p.9. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 286.8 M315C  
Review of the Belgian cotton-textile industry since 1935.
395. Tremelloni, Roberto. Appunti sulla modificazione strutturale dell'industria cotoniera nel mondo. Bollettino della Cotoniera 32(9):581-582. September 1937. (Published at Via Borgonuovo, 11, Milano, Italy) 304.8 B63  
Note on the structural modification of the world cotton textile industry.
396. Wheeler, L.A. Some foreign trade problems and policies relating to agriculture. 12pp., mimeogr. Washington, United States Department of Agriculture, Bureau of Agricultural Economics, 1938.  
Address, eleventh annual meeting of the Texas Agricultural Workers' Association, Houston, Texas, January 14-15, 1938.  
The significance of the government's trade-agreements program to the cotton export trade is noted.

See also Items nos. 317, 333, 346, 348, 413, 418, 500, 512, 539, 550, 564, 578, 580.

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Also in Cotton and Cotton Oil Press 39(5):10. January 29,1938.
398. Bernalles, Manuel Montero. The cotton industry in Peru. Pan Amer. Union Bull. 71(12):903-910. December 1937. (Published at Seventeenth St., and Constitution Ave., N.W., Washington, D.C.) 150.9 M76  
The development of cotton production in Peru during the last twenty-five years is described.

399. Bugs cut quality and yield of Yuma cotton. Ariz. Producer 16(18):4. Dec.1,1937. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44  
Quality of the 1937 crop in Yuma Valley, Arizona is noted.
400. California and cotton. Amer. Ginner and Cotton Oil Miller 15(4):6. December 1937. (Published at P.O.Box 504, Little Rock, Ark.) 72.8 Am35  
Editorial on the recent increase in cotton production in California.
401. Cone, Fred P. Florida reviving Sea Island cotton. Importance of this crop before coming of weevil--Development of earlier maturing seed--New weevil control method used two years. Amer. Wool & Cotton Reprtr. 51(52):23-25. Dec.30,1937. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
402. Cotton. South. Calif. Crops 13(12):E-G. December 1937. (Published by Board of Supervisors of Los Angeles County, Los Angeles, Calif.)  
The cotton season of 1937 in California and Arizona is reviewed.
403. Cotton cultivation in Manchuria. Manchurian Econ. Rev. 4(19):7-8. Oct.1,1937. (Published in Harbin, Manchuria) 280.8 M314  
The acreage and quality of cotton grown in Manchuria are given.
404. Cotton culture in Abyssinia. Manchester Guardian Com. 35(912):500. Dec.10,1937. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, England) 286.8 M315  
Development of cotton production in Ethiopia is noted.
405. Cotton is king in Peru, Fortune says, thanks to New deal's AAA. Cotton Trade Jour. 18(3):3. Jan.15,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
Extracts from an article on Peru in Fortune, January, 1938, describing the development of the industry.
406. Estado de los cultivos y perspectivas de la campana 1937-1938. Gaceta Algodonera 13(166):11-12. Nov.30,1937. (Published at Reconquista 331,

Casilla Correo 550, Buenos Aires, Argentina)  
72.8 G11

Condition of cultivation and the outlook for  
the season 1937-1938.

407. Fear staple cotton shortage. Textile World 88(1):  
90. January 1938. (Published by McGraw-Hill  
Publishing Co., Inc., 330 West 42d St., New  
York, N.Y.) 304.8 T315
408. Fine combed yarn spinners see lack of desired  
grade-staple. Supply of white strict middling  
1 1-16 inch and up insufficient, view. Cotton  
Trade Jour. 18(2):3. Jan. 8, 1938. (Published  
at 810 Union St., New Orleans, La.) 72.8 C8214
409. [India. Indian central cotton committee] Cotton  
improvement in Khandesh. Indian Trade Jour.  
127(1635):308-309. Oct. 21, 1937. (Published  
by the Department of Commercial Intelligence  
and Statistics, 1, Council House St., Calcutta,  
India) 286.8 In24
410. La Junta nacional de algodón estima en 477.900  
hectareas la superficie sembrada con ese textil  
para la campaña 1937/1938. Rosario, Argentine  
Republic, Bolsa de Comercio, Boletín 26(622):39.  
Dec. 15, 1937. (Published at Rosario de Santa Fe,  
Argentina) 287 R71  
The Junta Nacional de Algodón estimates as  
477,900 hectares the area sown with cotton for  
the season 1937/1938.
411. Lanham, W.B., Harper, F.H., and Miller, G.E.  
Quality of cotton ginned in Georgia, crops of  
1928-36. 68pp., mimeogr. Washington, United  
States Department of Agriculture, Bureau of  
Agricultural Economics, 1937.  
"The seventh of a series of reports dealing  
with the quality of cotton ginned in the various  
States and in subdivisions of States."
412. Lanham, W.B., and Soxman, R.C. Quality of cotton  
ginned in Tennessee, crops of 1928-36. 32pp.,  
mimeogr. Washington, United States Department  
of Agriculture, Bureau of Agricultural Economics,  
1937.

413. Marland, E.W. Oklahoma an industrial empire.  
History of industrial development both romantic  
and impressive--Great cotton producing state  
but textile industry yet in infancy. Amer.  
Wool & Cotton Reprtr. 51(52):63,70. Dec.30,1937.  
(Published by Frank P. Bennett & Co., Inc.,  
530 Atlantic Ave., Boston, Mass.) 504.8 W88
414. Miller, Dale. Cotton quality and export trade.  
Tex. Weekly 14(3):4-5. Jan.15,1938. (Published  
at Liberty Bank Bldg., Dallas, Tex.) 280.8 T31  
The author thinks that the staple length of  
Texas cotton "can be improved, and unlimited  
production permitted, but until foreign nations  
are afforded the opportunity to buy, the problem  
will remain unsolved."
415. The National cotton board's 1936 report. The posi-  
tion and prospect of a particularly promising  
industry. Cotton's relative status in the scheme  
of Argentine national economy. Rev. River  
Plate 83(2393):14-15. Oct.22,1937. (Published  
in Buenos Aires. May be obtained from S.S. Koppe  
& Co., Inc., 630 Fifth Ave., New York, N.Y.)  
286.8 R32  
The 1936 report of the National Cotton Board  
of Argentina (Junta Nacional del Algodón) is  
said to show that the value of Argentina's  
annual cotton production is approximately  
\$70,000,000 paper and is greater than that of  
sugar, grapes, yerba mate and peanuts. "The  
value of cotton exports, which may be reckoned  
at about \$40,000,000 paper, exceeds that of  
dairy products, forestal products, or of mutton  
and pork combined. It figures higher than fresh  
fruit, wheat flour and mineral products, and  
doubles the value of the average annual exports  
of oats, barley and rye combined." A table  
shows that "although Argentina's output of cot-  
ton fibre represents just over 1% of that of the  
entire world, the average output of fibre per  
hectare is considerably in advance of that of  
many other producing countries."
416. Nigeria. Department of agriculture. Annual report  
...1935. 36pp. Lagos, 1936. 24 N563  
Issued as Sessional Paper no.10 of 1937.  
Partial contents: American cotton in the  
Northern Provinces, (production and prices,  
1925/26-1935/36), pp.10-11; Improvement of  
American cotton, p.11; Ishan cotton production,  
p.15.

417. Cusley, Clarence. To improve Texas cotton. Cotton and Cotton Oil Press 39(4):14. Jan. 22, 1938. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822

Editorial on the organization of the State-wide Cotton Committee for Texas.

418. P., C. Brazilian cotton facing Japanese import ban. Far Eastern Survey 7(1):11-12. Jan. 5, 1937. (Published by the American Council, Institute of Pacific Relations at 129 East 52nd St., New York City.)

"Increasing cotton production in South America and decreasing Japanese imports of raw cotton are two of the many disturbing factors in the world cotton situation. That at least a part of the South American cotton crop is intended for a Japanese market which has shown steadily growing interest in the commodity, is borne out by trade returns for the last few years... Record cotton crops in Brazil for the present season; a forecast of U.S. yield in this crop year of over 18,000,000 bales; and increasingly stringent import restrictions in Japan, seem to indicate that the estimated world surplus of 20,000,000 bales at the end of this season may be too conservative a figure."

419. Queensland acclimatisation society. The seventy-first report...from 1st April 1936 to 31st March 1937. 15pp. Brisbane, Globe printing co., Ltd., 1937. 410.9 Q3R

Cotton [cultivation--history] pp.4-5.

420. Reichelt, Ernst. Stand und aussichten der baumwollkultur in den mandatsgebieten. Wirtschaftsdienst 22(27):925-927. July 2, 1937. (Published at Poststrasse 19, Hamburg, 36, Germany) 220.8 W74

Present and future of cotton production in mandated territories.

"Prospects of the cotton-growing industry in Tanganyika Territory, Togoland, South-West Africa and the Cameroons are discussed, and crop statistics are tabulated for these and other recently developed cotton regions in Africa."-Empire Cotton Growing Rev.15(1):54. January 1938.

421. Saraiya, R.G. Indian cotton: prospects for 1937-38. Indian Textile Jour. 48(566):46-47. Nov.15,1937. (Published at Military Square, Fort, Bombay, India) 304.8 In2
422. U.S. Department of agriculture. Bureau of agricultural economics. Estimated monthly cotton marketings by farmers in percentage of year's sales, crop years 1924-1936. 9pp., processed. Washington, 1938.  
Tables show sales for the United States and for each state.
423. Wheeler, L.A. The outlook for agricultural exports. 22pp., mimeogr. Washington, United States Department of Agriculture, Bureau of Agricultural Economics, 1937.  
Address at the meeting of the American Farm Economic Association at Atlantic City, N.J., December 28-30, 1937.  
Export prospects for cotton, pp.13-22.
- See also Items nos. 291, 317, 339, 346, 348, 426, 436, 505, 541, 557, 572, 573, 578, 582.

### Prices

424. Day-to-day movement of cotton gray goods prices during 1937. Jour. Com. 175(13523):14,15. Jan.17,1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82
425. [East India cotton association, ltd.] Low prices of Indian cotton affect farmers. Immediate reduction in railway freight urged. East India cotton association's request to Government of India. Indian Textile Jour. 48(566):55-56. Nov.15,1937. (Published at Military Square, Fort, Bombay, India) 304.8 In2
426. Kitamura, Bunji. Lavoura algodoeira. Trabalhadores--Cotações. Ouro Branco 3(7):20-21,19. November 1937. (Published at E. Quintino Bocayuva, 54, Sao Paulo, Brazil)  
Cotton production. Laborers--Quotations.
427. Klinge, Gerardo. Evolución histórica de los precios del algodón y sus tendencias actuales. Vida Agricola 14(168):919-925,927,929,931-934. Novem-

ber 1937. (Published at Nunes 26A, Casilla 1159, Lima, Peru) 9.8 V66

Historical evolution of the cotton prices and their present tendencies.

428. P., H. The regulation of prices in the textile industry, I. Preliminary circumstances and direct price control. Hamburg World Econ. Archives, Bull. 3(23):356-360. Oct.1,1937. (Published at Poststrasse 19, Hamburg 36, Germany) 280.8 H17  
To be continued.  
The German cotton textile industry is included.
429. The Textile weekly record of trade prices, 1932-37. Textile Weekly 20(513):882-883. Dec.31,1937. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127  
Table gives cotton, wool, and rayon trade prices by months for 1932-1937.

See also Items nos. 316, 339, 348, 430, 546, 556, 573, 578, 582.

#### Marketing and Handling Methods and Practices

430. Barber, C.R. The Alexandria futures market. 76pp. [Alexandria, Egypt, 1937] 280.372 B23  
The author defines such terms as "hedge", "call", "basis", "price-fixing", and "tenders" and illustrates their use in futures trading on the Alexandria futures exchange.
431. Barter food for cotton in North China provinces. Provisional government at Peking is intermediary, lowered tariff aids. Cotton Trade Jour. 18(5):6. Jan.29,1938. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
432. Corbett, Mrs. C. Louise Phillips. Economic phases of futures trading; a selected list of references. 11pp., mimeogr. Washington, D.C., Nov.1937. (CEA-11) 1.9 C73C  
Issued by Commodity Exchange Administration, U.S. Department of Agriculture.
433. La creación del mercado de algodón a término. Gaceta Algodonera 13(166):7-10. Nov.30,1937. (Pub-

lished at Reconquista 331, Casilla Correo 550,  
Buenos Aires, Argentina) 72.8 G11

Creation of the cotton futures market (is  
advocated).

434. Garside, Alston H. How much cotton risk to assume?  
No single purchasing policy will apply to all  
mills--and there's always some gamble. Daily  
News Rec. no.16 (sec.2), p.24. Jan.20,1938.  
(Published at 8 East 13th St., New York, N.Y.)  
286.8 N48
435. Markovich, M.M., comp. [Contracting for marketing  
of cotton.] 56pp. Moskva, Gostorgizdat, 1937.  
280.372 M34K  
In Russian.
436. More quality cotton? Indian Textile Jour. 48(566):  
40. Nov.15,1937. (Published at Military Square,  
Fort, Bombay, India) 304.8 In2  
Editorial on need for a survey of cotton  
marketing procedures in India.
437. An overdue cotton reform. Textile Mercury and  
Argus 97(2542):587. Dec.10,1937. (Published  
at 41, Spring Gardens, Manchester, England)  
304.8 T318  
Editorial on "the question of making Manches-  
ter cotton tenderable against the respective  
Liverpool future delivery contracts."

See also Item no. 576.

#### Marketing Services and Facilities

438. [American institute of marine underwriters.]  
Defer onshore war risk deadline to February 1,  
continue parleys. Tightening of underwriters'  
safety belts had been scheduled for Jan.1.  
Cotton Trade Jour. 18(1):1,8. Jan.1,1938.  
(Published at 810 Union St., New Orleans, La.)  
72.8 C8214
439. CCC warns against false loans. Cotton Digest  
10(15):7-8. Jan.15,1938. (Published at 710  
Cotton Exchange Bldg., Houston, Tex.)  
286.82 C822  
"Commodity Credit Corporation reports that  
fraudulent practices are being perpetrated in  
securing some cotton loans on the 1937 crop."

440. Chicago Board of trade. Rules and regulations...  
September 10, 1937. 287pp. Chicago, 1937.  
287-C43Ru

441. Cook, Frederick. Cotton importing, finance and  
marketing. Accountant 97(3280):520-527.  
Oct. 16, 1937. (Published at 6 Kirby St.,  
London, E.C.1, England)  
Paper read at a meeting of accountants held  
in Liverpool. Practices in England are described.

442. Cotton deterioration in storage nil, Bertel exper-  
iment indicates. Cotton Trade Jour. 18(5):3.  
Jan. 29, 1938. (Published at 810 Union St., New  
Orleans, La.) 72.8 C8214  
Tests on eight bales of certificated cotton  
which had been in storage for five to eight  
years are reported.

443. Cotton is damp, say Liverpool and Manchester.  
Agreement on moisture standards suggested as  
means of aiding arbitrators. Cotton Trade  
Jour. 18(1):1. Jan. 1, 1938. (Published at 810  
Union St., New Orleans, La.) 72.8 C8214

444. Cotton men hit rail rate rise at ICC hearing.  
Representatives from all over South at New  
Orleans resist increase plan. Cotton Trade  
Jour. 18(3):1, 5. Jan. 15, 1938. (Published at  
810 Union St., New Orleans, La.) 72.8 C8214  
Brief report of hearing before the Inter-  
state Commerce Commission.  
Also in Cotton Digest 10(15):7. Jan. 15, 1938.

445. Dickson, A.M. Commercial classification of  
American upland cotton. Farm and Ranch 57(1):  
6, 18. Jan. 1, 1938. (Published at 3306 Main St.,  
Dallas, Tex.) 6 T31

446. The East India cotton association, ltd. Revised  
procedure for surveys and appeals. Indian  
Textile Jour. 48(566):55. Nov. 15, 1937. (Pub-  
lished at Military Square, Fort, Bombay, India)  
304.8 In2.

447. Grade-staple responsibility relief sought. National  
association asks members to write their Congress-  
men. Cotton Trade Jour. 18(2):3. Jan. 8, 1938.  
(Published at 810 Union St., New Orleans, La.)  
72.8 C8214

A "provision relieving warehousemen of lia-  
bility in regard to grade and staple of Govern-  
ment loan cotton" is urged.

448. Kitchen, C.W. National standards for farm products. 9pp., mimeogr. Washington, United States Department of Agriculture, Bureau of Agricultural Economics, 1937.  
Address, American National Live Stock Association, Cheyenne, Wyoming, January 14, 1938.  
Includes brief statement of the history of cotton standards in the United States.
449. Leite de Almeida, José. O algodao no commercio moderno. Padronizacao e classificacao do algodao e suas funcoes. Ouro Branco 5(7):17-19. November 1937. (Published at R. Quintino Bocayuva, 54, Sao Paulo, Brazil)  
To be continued.  
Cotton in modern trade. Standardization and classification and their functions.
450. N.O. Exchange associate membership. Cotton Digest 10(16):9. Jan. 22, 1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.)  
286.82 C822  
"An associate membership to open the facilities and services of the New Orleans Cotton Exchange to a larger body of traders, farmers, manufacturers, and outside business concerns and individuals was formally adopted," January 17, 1938.
451. Oscar Johnston of Mississippi resigns government position. Cotton farmers lose services of this honest, capable and efficient executive. Mid-South Cotton News 15(7):1. January 1938. (Published at 822 Falls Bldg., Memphis, Tenn.)  
72.8 C8295  
His resignation as director of the Commodity Credit Corporation is noted.
452. State to give new cotton service to S.C. farmers. S.C. Market Bull. 18:1. Jan. 6, 1938. (Published by the Department of Agriculture, Commerce and Industries, Anderson, S.C.) 280.39 So8  
The State of South Carolina has stationed federally licensed classifiers at four points in South Carolina to give free service to farmers.

See also Items nos. 480, 537, 538, 553, 562, 582.

Cooperation in Marketing

453. Burr, C.H. Views--of the world--news. Cotton Digest 10(16):10. Jan.22,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Difficulties of cotton cooperative associations are commented upon.

454. 1.<sup>o</sup> Congresso dos cooperadores de algodao. Ouro Branco 3(7):22-23. November 1937. (Published at R. Quintino Bocayuva, 54, Sao Paulo, Brazil) First meeting of cotton cooperators. The meeting was held in Sao Paulo, October 30,1937.

455. Herrmann, Omer W. The "repurchase pool" for cotton. News for Farmer Cooperatives 4(10):5-6. January 1938. (Published by Farm Credit Administration, Washington, D.C.)

This service of the North Carolina Cotton Growers' Cooperative Association is described.

See also Items nos. 575, 577.

UTILIZATIONGeneral

456. [American association of textile chemists and colorists.] Textile chemists and colorists. Technical papers at annual meeting on wool dyeing, color measurement, research, crease-resistants, fastness to light, stiffness and resiliency, other processes, detergents. Amer. Wool and Cotton Repr. 51(50):11-12,31. Dec.16, 1937. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88

A report of the 17th annual meeting held in the Bellevue-Stratford Hotel in Philadelphia, Pa., December 3-4,1937 is given.

Also in Fibre and Fabric 90(2758):8-12. Dec. 11,1937; Textile Research 8(3):91-92. January 1938; Textile World 88(1):68-69. January 1938; Cotton [Atlanta] 102(1):60-62. January 1938; Rayon Textile Monthly 19(1):69-70. January 1938.

457. Carded yarn group. Annual meeting... Textile Bull. 53(17):9. Dec.23,1937. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.) 304.8 So82  
Report of meeting at Charlotte, N.C., December 17,1937.
458. Clark, Charles H. Research of U.S. Institute for textile research. Amer. Dyestuff Reprtr. 26(24):722-723. Nov.29,1937. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 Am3
459. Clark, Charles H. Textile research plans await needed financing. Jour. Com. 175(13528):1A,2A. Jan.17,1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82  
Report of the work of the United States Institute for Textile Research during 1937.
460. Harris, Milton. What can the mill man expect from fundamental research? Amer. Dyestuff Reprtr. 26(24):P760. Nov.29,1937. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 Am3  
Abstract.  
Abstract also in Amer. Dyestuff Reprtr. 26(23):P707. Nov.15,1937.
461. Jackson, Burris C. Research laboratory progress. State committee formulates cotton research plans--Ideas have met with favor of Congressmen. Cotton Digest 10(14):3-4. Jan.8,1938. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
Development and present status of the movement to secure for Texas a laboratory to study new uses for cotton.
462. Metcalf, George T. Research, a way out of trouble. Daily News Rec. no.16(sec.2), p.67. Jan.20,1938. (Published at 8 East 13th St., New York, N.Y.) 286.8 N48  
The value of research in the cotton-textile industry is discussed.
463. Saxl, Irving J. Research and testing pay their own way and return a profit on the investment. Textile World 38(1):63. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.) 304.8 T315

464. Schwarz, Edward R. Recent trends in textile technology. Amer. Dyestuff Reprtr. 26(24):P764. Nov.29,1937. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 Am3  
Abstract.  
Abstract also in Amer. Dyestuff Reprtr. 26(23): P703. Nov.15,1937.
465. Schwarz, E.R. The what of textile technology. Amer. Dyestuff Reprtr. 26(25):P805-P808. Dec.13, 1937. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 /m3  
Presented before meeting, N.N. England Section, American Association of Textile Chemists and Colorists, November 5,1937.  
"The value of research lies in what you measure and in what you do with the measurements. Ask yourself first, What am I measuring? Second, What units am I measuring it in? Third, What is the precision of my measurements? And finally, What do the results mean? In a word the WHAT of textile technology."

#### Fiber, Yarn and Fabric Quality

466. Ahmad, Nazir. The effect of different degrees of compression on the fibre properties and spinning quality of Indian cottons. Indian Cent. Cotton Com. Tech. Lab. Tech. Bull. Ser. A, no.40, 14pp. Bombay. 1937.
467. Ahmad, N., and Venkataraman, V. Selection of a suitable cotton for a specified count. Indian Textile Jour. 48(566):51. Nov.15,1937. (Published at Military Square, Fort, Bombay, India) 304.8 In2
468. Ahmad, Nazir. Technological reports on standard Indian cottons, 1937. Indian Cent. Cotton Com. Tech. Lab. Tech. Bull. Ser. A, No.39, 104pp. Bombay. 1937.
469. Bayes, A.W. Textile testing methods. Standardization and unification. Textile Weekly 20(513):854-855. Dec.31,1937. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127  
"In a paper delivered to the British Association of Managers of Textile Works, December 14,1937."

470. [British association of managers of textile works, and the Textile institute.] Textile testing methods. Mill managers and experts discuss standardization and unification. Textile Weekly 20(512):828,831. Dec.24,1937. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127  
Report of a meeting held at the Athenaeum, Manchester, on December 14,1937.
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Literature cited, p.281.  
Surface and dyeing properties of cellulose.  
"Based on x-ray study the surface formation of cellulose fiber is discussed. It is shown that the dyeing of cellulose is an adsorption, while that of cellulose acetate is a soln. process. Thirty-one references.-J.A. Szilard."-Chem. Abs. 31(16):6010. Aug.20,1937.
472. Cleveland, Richard S. An improved apparatus for measuring the thermal transmission of textiles. Jour. Research Natl. Bur. Standards 19(6):675-684. December 1937. (Published by United States Department of Commerce, National Bureau of Standards, Washington, D.C.) 157.88 J82  
Research paper RP1055.
473. Comber noils. Some interesting facts and figures based on the tests conducted by a Southern mill. Saco-Lowell Bull. 9(5):39-41. December 1937. (Published at 60 Batterymarch St., Boston, Mass.) 304.8 Sal  
The effect of noils on the cost of combed yarns is discussed.
474. Farr, Wanda K. Certain colloidal reactions of cellulose membranes. Jour. Phys. Chem. 41(7):987-991. October 1937. (Published by Williams and Wilkins, Mount Royal and Guilford Ave., Baltimore, Md.) 381 J822  
Presented at the Fourteenth Colloid Symposium, held at Minneapolis, Minnesota, June 10-12, 1937.  
References, pp.990-991.

475. Fire-proofing fabrics. Some recent developments and suggestions. Amer. Dyestuff Repr. 26(23): 700. Nov.15,1937. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 Am3

476. Frenzel, Walter, and Harzer, Willy. Drehungsfestigkeit. Melliand Textilberichte 18(10):772-776. October 1937. (Published at Heidelberg, Germany) 304.8 T312

Literature cited, p.776.

Twist strength.

"The authors describe a testing device, comprising a self-recording twist counter and a Frenzel-Hahn yarn testing machine, for determining the tension produced in a twisted thread of constant length between the clips. The course of the tension exerted by increasing the twist of a two- and three-ply 20's cotton yarn was determined together with the breaking torsion and the breaking strength. It was found that the twist strength is proportional to the number of threads for the same yarn count. The effect of loading on the changes in length when twisting was investigated on the self-recording twist counter and the result is shown graphically for 2/20's cotton yarn. The curves plotted show very plainly that shortening of the twisted yarn is comparatively very much greater with low loads than with high loads."-Textile Research 8(2):87. December 1937.

477. Frey-Wyssling, A. "Über die optische unterscheidung der verschiedenen zellulosearten. Mikrochemie, Festschrift...von Hans Molisch, 1936, pp.106-117. (Published by Emil Haim & Co., Wien, Austria) 386 F423

Footnote references.

Optical differentiation of different kinds of cellulose.

"Cellulose hydrate has a much lower refractive index than native cellulose and slightly degraded hydro- and oxy-celluloses have slightly higher indices. They can therefore be distinguished by the Becke line method; the fibre, mounted in a liquid medium, shows a bright line which moves to the higher-refractive substance on racking up the microscope tube. The medium can be adjusted until the Becke line disappears and its index measured in a refractometer. Although nitrocellulose and cellulose acetate have lower refractive

indices than native cellulose, the test is not so suitable for general distinctions because of possible irregularities in the fibre surface. It reveals unevenness of esterification (or the reverse in saponified material) in a striking manner."-Textile Inst. Jour. 28(11):A639. November 1937.

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479. Hess, Kurt, and Gundermann, Josef. Über die einwirkung von flüssigem ammoniak auf cellulose-fasern (Bildung von ammoniak-cellulose I, ammoniak-cellulose II und cellulose III). Deutsche Chemische Gesellschaft, Berichte 70(8):1788-1799. August 1937. (Published at Sigismundstrasse 4, Berlin W 35, Germany) 384 B45

Action of liquid ammonia on cellulose fibres (Formation of ammonia-cellulose I, ammonia-cellulose II, and cellulose III).

"It is shown that treatment of cellulose fibres with liquid ammonia yields two addition compounds, the formation of which is dependent upon temperature. Between  $-20^{\circ}$  and  $-30^{\circ}$  they can be reversibly inter-converted. The compound stable at the lower temperature,  $\text{NH}_3$ -cellulose-II, possesses a fibre period of  $15.20\text{\AA} = 3 \times 5.05\text{\AA}$ , and trigonal symmetry...The form stable at higher temperatures possesses a fibre period of  $10.30 = 2 \times 5.15\text{\AA}$ . A reliable Röntgen diagram of this compound has not yet been obtained, and the evidence does not allow of a decision as to whether the two compounds are enantiotropic. When the ammonia compounds are decomposed a new modification of cellulose is formed, known as cellulose III. Its Röntgen diagram is similar to that of cellulose hydrate, and possesses the same fibre period as native cellulose and cellulose hydrate, namely  $10.3\text{\AA}$ . It differs from cellulose hydrate in that, on treatment with water at high temperature (about  $200^{\circ}$ ) it is converted to native cellulose; a modification that is unstable compared with native cellulose is formed. These interconversions are almost exactly repeated in native and

mercerised cellulose fibres, and this makes possible a change of cellulose hydrate to native cellulose by way of cellulose III, in a circuit which has not been before observed. The results obtained are compared with previous observations. -C."-Textile Inst. Jour. 28(11):A654. November 1937.

480. India. Indian central cotton committee. Annual report of the director technological laboratory for the year ending 31st May 1937. 38pp. Bombay, 1937.

Fiber and spinning tests on cotton samples are noted, including a fiber length test on three American staple standards. Abstracts of the following papers "read at the First Conference of Scientific Research Workers on Cotton in India, held on the 4th, 5th and 6th March 1937" are also given: Effects of rainfall on the quality of Indian cottons, by R.S. Koshall and Nazir Ahmad, pp.30-31; Influence of twist on yarn strength, by V. Venkataraman and Nazir Ahmad, pp.31-33; Deterioration of Broach Palej cotton on storage, by A.N. Gulati, pp.33-34.

481. Ismet, Tarik M. To determine the yard to yard variation in weight of 40s carded yarn throughout the bobbin, and the percentage of variation over and under the standard number, and to arrive at reasons for such variation. Arkwright Jour. June 1937, pp.31-49. (Published by Arkwrights, Inc., Charlotte, N.C.)

References, p.49.

Report of tests conducted at the Textile School, North Carolina State College, Raleigh, N.C., under the auspices of The Arkwrights, Inc., of the Southern Textile Association.

482. Jambuserwala, G.B. Degree of whiteness obtainable by bleaching. Its relation to varieties of cottons. Amer. Dyestuff Repr. 26(25):799-802, 820. Dec.13, 1937. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 Am3  
References, p.820.

483. Kratky, O., and Mark, H. Zur frage der individuellen cellulosemicellen. Zeitschrift für Physikalische Chemie 36(2):129-139. June 1937. (Published by

Akademische Verlagsgesellschaft M.B.H., Leipzig,  
Germany) 384 Z37B

Footnote references.

Individual cellulose micelles.

"The evidence for the micellar structure of cellulose is reviewed. From x-ray investigation, no distinction can be made between the older idea of individual micelles and the more recent conception of primary valence chains. A modification of both of the extreme cases results in an intermediate structure which is more satisfactory.-G.M. Murphy."-Chem. Abs. 31(17):6457. Sept.10,1937.

484. Leatherman, Martin. Fireproofing fabrics. U.S. Dept. Agr. Farmers' Bull. 1786, 9pp. Washington. 1937.

485. Lohmann, Heinrich, and Braun, Paula. Neue untersuchungen über azetat-zellwolle. Die wärmeleitfähigkeit von natürlichen und künstlichen textilfasern. Melliand Textilberichte 18(3):202-206. March 1937. (Published at Heidelberg, Germany) 304.8 T312

New investigations on acetate staple rayon. Thermal conductivity of natural and artificial textile fibers.

"The heat insulating powers of wool, cotton and staple rayons of the viscose, cupra and acetate types were studied. That of acetate was found nearest that of wool.-H.B.G."-Chem. Abs. 31(17):6469-6470. Sept.10,1937.

486. Mark, H., and Meyer, Kurt H. Über die kristallstruktur der cellulose. Zeitschrift für Physikalische Chemie 36(3):232-236. July 1937. (Published by Akademische Verlagsgesellschaft M.B.H., Leipzig, Germany) 384 Z37B

Footnote references.

Crystalline structure of cellulose.

"The authors criticise the methods and conclusions of Sauter and point out that their theory of the structure of cellulose is supported by x-ray data.-C."-Textile Inst. Jour. 28(11):A669. November 1937.

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Tables and charts show average size and break with variations from 40 consecutive reports.

488. Neps--the carder's headache. Microphotographs reveal their origin and composition. Saco-Lowell Bull. 9(5):24-27. December 1937. (Published at 60 Batterymarch St., Boston, Mass.) 304.8 Sal

489. Reumuth, H., and Köhler, W. Der histologische aufbau der baumwollfaser im mikrobild und das verhalten der baumwollcuticula in der beuche und bleiche. Klepzig's Textil-Zeitschrift 40(26): 401-404. June 30, 1937. (Published by Klepzig, Leipzig, Germany)

The histological structure of the cotton fiber in photomicrographs and the behavior of the cotton cuticula during alkaline treatment and bleaching.

"Ten photomicrographs are shown and the effects of alk. treatment and bleaching upon cotton are discussed.-L.S."-Chem. Abs. 31(17):6470. Sept. 10, 1937.

490. Rice, George. Dyeing cotton for use in road construction. Textile Colorist 59(704):525-526. August 1937. (Published at Woolworth Bldg., 233 Broadway, New York, N.Y.) 306.8 T31

491. Saxl, Irving J. Quantitative measurement of stiffness and resiliency. Rayon Textile Monthly 19(1):57-58. January 1938. (Published at 303 Fifth Ave., New York, N.Y.) 304.8 R21

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Paper read at annual meeting of the American Association of Textile Chemists and Colorists, Philadelphia, Pa., December 4, 1937.

Abstracts in Amer. Dyestuff Repr. 26(24):P761. Nov. 29, 1937; Amer. Dyestuff Repr. 26(23):P708. Nov. 15, 1937.

492. Saxl, Irving J. Über die bestimmung des drehmomentes in garnen. Melliand Textilberichte 18(8):588-589. August 1937. (Published at Heidelberg, Germany) 304.8 T312

Determining the turning moment of yarns.

"The author describes a novel apparatus by means of which the turning moment of a yarn can be accurately determined."-Textile Research 8(2):87. December 1937.

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References, p.30.

This report "presents the results of the series of tests conducted on 20s warp yarn in the testing laboratory of the A. French Textile School, Georgia School of Technology, Atlanta, Ga. under the auspices of the Arkwrights, Inc., the research organization of the Southern Textile Association."

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Literature, pp.37-38.

"The variables studied were thread count, tensile strength, fabric elongation, bursting strength, tearing strength, twist, crimp, yarn number, weight, thickness, and cost. The factor of weave variation was excluded by selecting all plain weave fabrics. The color factor was excluded by selecting all staple white fabrics. No definite information could be obtained on the type of raw cotton from which the fabrics were woven. However data were obtained on some of the measurable characteristics of the fabrics and their inter-relationships and application to wise selection and cost."

496. Staudinger, H., and Dreher, E. Über hochpolymere verbindungen, 138. Mitteil. Über das zerreißen von faden-molekülen der cellulose beim vermahlen. *Deutsche Chemische Gesellschaft, Berichte* 69 (5):1091-1098. May 1936. (Published at Sigismundstrasse 4, Berlin W.35, Germany) 384 B45

Footnote references.

High polymeric compounds, Part 138. Degradation of fibre molecules of cellulose by grinding.

497. "Technologist." The wetting of cellulose fibres. The phenomenon of moisture absorption. Textile Mercury and Argus 97(2545):667-668. Dec. 31, 1937. (Published at 41, Spring Gardens, Manchester, England) 304.8 T318  
Tests on cotton are reported.
498. Über die Wärmeleitfähigkeit von Textilfasern. Melliand Textilberichte 18(9):684-687. September 1937. (Published at Heidelberg, Germany) 304.8 T312  
Heat conductivity of textile fibers.  
"This article first describes a new process of accurately measuring the heat conductivity of textile fibres. Comparison by this method of packages of wool, Wollstra, Vistra, and undulled rayon, all of the same density, showed that the heat conductivity is practically identical in each case. The heat conductivity of cotton and pigmented dull rayon is about 30% higher, and that of real silk and acetate rayon is about 10% lower. Comparison of packages of the same size reveals great differences, when the results are not calculated on the same density."-Textile Research 8(2):82. December 1937.
499. Why viscose absorbs dyestuff better than cotton. Quantitative investigations on the varying dyestuff absorptivity of bleached cotton, rayon and staple fibre. Silk Jour. and Rayon World 14(163):27,29. December 1937. (Published at Old Colony House, Manchester, 2, England) 304.8 Si3  
Translation from "Melliand Textilberichte, November 1937, pp.915-918, Drathen, Havekost and Ruscheweyh."

See also Items nos. 284, 442, 443, 456, 503, 576, 582, 583.

#### Technology of Manufacture

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Report of meeting held in New York City, December 8, 1937.

501. Hill, Harold. Cotton and staple rayon spinning machinery. A review of recent developments given in a lecture before the Textile Institute, Lancashire section, at Bolton. Textile Mercury and Argus 97(2541):569,575. Dec.3,1937. (Published at 41, Spring Gardens, Manchester, England) 304.8 T318
502. Marshall, G. Relative speeds in carding. Fibre and Fabric 91(2761):10. Jan.1,1938. (Published by Wade Publishing Co., 465 Main St., Kendall Square, Cambridge, Mass.) 304.8 F44  
From Textile Manfr. of England.
503. Martin, H.D. Preventing defects which may be caused by raw cotton dyeing. Textile Colorist 59(705):627-628. September 1937. (Published at Woolworth Bldg., 233 Broadway, New York, N.Y.) 306.8 T31  
"As the dyeing process removes or neutralizes many of the advantages which should be retained, if it were possible, it is necessary to reinvest the stock, by artificial means, with the necessary lubricant, the necessary moisture, the necessary affinity, and the necessary corkscrew characteristic which the fibers had before dyeing." Methods of handling dyed cotton in the spinning mill are described.
504. A new yarn clearer. Textile Weekly 21(514):17. Jan.7,1938. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
505. 1937 cotton creates a problem. The sub-normal quality of this year's crop has created trying conditions. Saco-Lowell Bull. 9(5):28-31. December 1937. (Published at 60 Batterymarch St., Boston, Mass.) 304.8 Sal  
"The general complaint seems to be that the staple is weak and far from uniform in its spinning characteristics." Suggestions for adapting mill equipment to meet these conditions are given.
506. "Parkside." Maintenance of ring spinning frames. Textile Mercury and Argus 97(2545):666-667. Dec.31,1937. (Published at 41, Spring Gardens, Manchester, England) 304.8 T318

507. "Parkside". Making changes on the mule. Getting the carriage on the "catch". Textile Mercury and Argus 97(2543):627. Dec.17,1937. (Published at 41, Spring Gardens, Manchester, England) 304.8 T318
508. The "Richardson" system of drafting cotton fibres. Fibre and Fabric 90(2759):12-14. Dec.18,1937. (Published by Wade Publishing Co., 465 Main St., Kendall Square, Cambridge, Mass.) 304.8 F44  
From Textile Manufacturer of England.
509. Ring frame development. A review of progress made by the H. & B. model. Textile Weekly 21(514):16-17. Jan.7,1938. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
510. Schmidt, B.N. Die gebräuchlichsten formeln für die baumwollspinnerei. Spinner und Weber 55(50):1-2. Dec.10,1937. (Published at Pössneck, Germany) 304.8 Sp41  
To be continued.  
The customary formulas for cotton spinning.

#### Technology of Consumption

511. American society for testing materials. 1937  
Supplement to book of A.S.T.M. standards.  
272pp. Philadelphia, 1937. 290.9 Am34S  
Standard specifications for textile testing machines, pp.241-243; Standard specifications and methods of test for tire fabrics other than cord fabrics, pp.244-246.
512. Everett, C.K. Heavy cotton crop quickens research into uses for fiber. Raw material handlers join with mills to expand consumption. Jour. Com. 175(13528):2A. Jan.17,1938. (Published at 63 Park Row, New York, N.Y.) 286.8 J82
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514. Laying cotton fabric on Nevada roads. Public Works 68(11):17-18. November 1937. (Published at 310 E. 45th St., New York, N.Y.) 290.8 M922  
Illustrations show methods of laying the fabric.
515. New tire cords for heat resistance on heavy duty. Cotton [Atlanta] 102(1):70. January 1938. (Published by W.R.C. Smith Publishing Co., Grant Bldg., Atlanta, Ga.) 304.8 C823  
Two cotton and one rayon cord are announced.
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#### LEGISLATION, REGULATION, AND ADJUDICATION

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MISCELLANEOUS--GENERAL

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Letter from the Director of Agriculture, United Provinces, p.27; Subject 30(a).--Research Schemes--Proposed Extensions of Punjab Pink and Spotted Boll-worm Scheme, pp.27-28; Subject 30(b).--Proposed extension of Broach Cotton Breeding Scheme, p.28; Subject 30(c).--Proposed extension of Sind Physiological Scheme, p.28; Subject 31.--Seed Distribution and Extension Scheme--Proposed extension of--Scheme for the extension of long staple cotton and marketing of Verum cotton in the Central Provinces and Berar, pp.28-29; Subject 32(a).--Scheme for cotton jassid investigation in the Punjab, p.29; Subject 32(b).--Scheme for the improvement of Mungari cotton in the Madras Presidency, pp.29-30; Subject 33.--Proposed New Seed Distribution and Extension Scheme--Scheme for the extension of "Jarila" cotton seed in Khandesh, pp.30-31; Subject 36.--Proposed broadening of the Broach Hedge Contract, pp.32-35; Subject 37.--Restriction on Import of foreign cotton seed into India, p.35.

577. Lined out for cotton fight. Ariz. Producer 16(16): 3. Nov.1,1937. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44

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